|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Name |  | Date |  |

Extra Practice 1

Master 3.26

|  |
| --- |
| Lesson 1: Using Doubles to Multiply 1. a) Write a multiplication fact for this array.  u03_lm26_a01  b) Double one factor in the multiplication fact. Make an array for this fact. Write a multiplication fact for this array.  2. One can has 3 tennis balls.  a) How many tennis balls are in 2 cans?  b) How many tennis balls are in 4 cans?  c) How many tennis balls are in 8 cans? |

|  |
| --- |
| Lesson 2: Multiplying by 1, by 0, and by 10 1. Multiply. What do you notice?  a) 1 × 1 b) 2 × 1 c) 3 × 1 d) 4 × 1 e) 5 ×1 f) 6 × 1  2. Multiply. What do you notice?  a) 2 × 0 b) 3 × 0 c) 4 × 0 d) 5 × 0 e) 6 × 0 f) 7 × 0  3. Multiply. What do you notice?  a) 1 × 10 b) 2 × 10 c) 3 × 10 d) 4 × 10 e) 5 × 10 f) 6 × 10  4. Rahul found 7 pennies in his pocket.  How much money did Rahul find? Write a multiplication fact.  5. Herman checked his 4 pockets.  The pockets were empty.  How much money did Herman find? Write a multiplication fact.  6. Sari found 5 dimes in her pockets.  How many cents did Sari find? Write a multiplication fact. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Name |  | Date |  |

Extra Practice 2

Master 3.27

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Lesson 3: Using Skip Counting to Multiply 1. Use skip counting to complete these rows  from a multiplication chart.   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **×** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | | **5** | 10 | 15 |  |  |  |  |  |  | | **6** | 12 | 18 |  |  |  |  |  |  |   2. Multiply. How does knowing the first fact help you find the second fact?  8 × 3 = 24, then 8 × 4 = \_\_\_\_\_\_\_\_  4 × 7 = 28, then 5 × 7 = \_\_\_\_\_\_\_\_  6 × 6 = 36, then 7 × 6 = \_\_\_\_\_\_\_\_ |

|  |
| --- |
| Lesson 4: Other Strategies for Multiplying 1. Multiply. What strategies did you use?  a) 8 × 2 b) 8 × 4 c) 8 × 6 d) 8 × 8  e) 6 × 4 f) 5 × 4 g) 3 × 4 h) 2 × 4  2. Multiply. What strategies did you use?  a) 6 × 8 b) 7 × 6 c) 6 × 6 d) 4 × 6  3. Multiply. What strategies did you use?  a) 9 × 9 b) 4 × 5 c) 5 × 8 d) 6 × 9  e) 7 × 9 f) 8 × 7 g) 4 × 7 h) 7 × 7  4. Name two facts that help you find the product of 5 × 6. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Name |  | Date |  |

Extra Practice 3

Master 3.28

|  |
| --- |
| Lesson 5: Using Patterns in a Multiplication Chart 1. Multiply. What strategy did you use?  a) 5 × 8 b) 6 × 9 c) 7 × 4 d) 9 × 5 e) 7 × 7  2. There are 9 players on a baseball team.  How many players are on 8 teams?  Write a multiplication fact to explain your answer.  3. If you know 9 × 6, what else do you know?  4. Find each missing number.  a) 6 × 4 = \_\_\_\_ × 6 b) 9 × 5 = 5 × \_\_\_\_ c) \_\_\_\_ × 7 = 7 × 6 |

|  |
| --- |
| Lesson 7: Using Arrays to Divide 1. Write a division sentence for each array.  u03_lm28_a01u03_lm28_a02 a) b)  2. Complete each division sentence.  a) 9 ÷ 1 = 🞎 b) 24 ÷ 8 = 🞎 c) 30 ÷ 6 = 🞎 d) 18 ÷ 6 = 🞎  3. A classroom has 32 desks arranged in 8 equal rows.  How many desks are in each row? |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Name |  | Date |  |

Extra Practice 4

Master 3.29

|  |
| --- |
| Lesson 8: Relating Multiplication and Division 1. Write a multiplication fact and a division fact for each array.  u03_lm29_a01 a)    u03_lm29_a02 b)  2. Use multiplication facts to help you divide.  a) 7 × 7 = 49 b) 9 × 6 = 54 c) 5 × 6 = 30  49 ÷ 7 = \_\_\_\_\_\_ 54 ÷ 6 = \_\_\_\_\_\_ 30 ÷ 6 = \_\_\_\_\_\_ |

|  |
| --- |
| Lesson 9: Dividing by Numbers from 1 to 9 1. Find each product. Then write a different multiplication fact and two division facts.  a) 7 × 6 = \_\_\_\_\_\_ b) 9 × 8 = \_\_\_\_\_\_ c) 4 × 8 = \_\_\_\_\_\_  2. Write four related facts for each set of numbers.  a) 8, 6, 48 b) 3, 9, 27 c) 9, 7, 63  3. Divide.  a) 8 ÷ 1 b) 40 ÷ 8 c) 81 ÷ 9 d) 64 ÷ 8 e) 18 ÷ 9  f) 25 ÷ 5 g) 9 ÷ 9 h) 42 ÷ 7 i) 36 ÷ 6 j) 35 ÷ 7 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Name |  | Date |  |

Extra Practice 5

Master 3.30

|  |
| --- |
| Lesson 10: Pose and Solve Problems 1. A movie ticket costs $8. Janie has $40. She wants to buy tickets for herself and 4 friends. Does she have enough money? How do you know?  2. A bag of popcorn costs $3. A drink costs $2. Sami buys 5 bags of popcorn and 5 drinks. How much does Sami spend? |